



UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF AIR QUALITY

Kennecott Utah Copper  
Intent to Approve Number

September 2011  
Approval Order (AO) DAQE-AN010572025-10

### Public Comment Period Opens:

Public comment will be taken for 30 days beginning on September 13 and ending on October 13, 2011.

Comments will be accepted by:  
Bryce Bird, Director  
Utah Division of Air Quality  
PO Box 144820  
Salt Lake City, UT 84114-4820

The Intent to Approve is available for public review at:  
[http://168.178.6.8/DAQ\\_NOI/AOsOutForCmt.aspx](http://168.178.6.8/DAQ_NOI/AOsOutForCmt.aspx)

For more information  
please contact:

John Jenks  
Utah Division of Air  
Quality  
801-536-4459

### Regulatory Program

The Utah Division of Air Quality (DAQ) prepares and issues air quality permits to construct and operate process units and equipment that are sources of air pollution. These permits are called Approval Orders or AOs. Any modification to a facility operation or a process unit requires the company to obtain a new AO to address the changes in operation or emissions.

### Source Description

Kennecott Utah Copper LLC (KUC) is a leading producer of copper and valuable by-products: gold, silver and molybdenum from the ores of the Bingham Canyon Mine.

### Intent to Approve

Public comment is being sought through October 13, 2011 on Kennecott's request to install and operate a new combined-cycle, natural gas-fired combustion turbine, that will replace three existing coal-fired boilers (identified as Units 1, 2 and 3 boilers). The new turbine will have a nominal generating capacity of approximately 275 megawatts and will limit emissions through a combination of dry low-NO<sub>x</sub> combustors, selective catalytic reduction (SCR) and catalytic oxidation (CatOx). The turbine will be located at Kennecott's existing power plant in Salt Lake County.

### Emissions

The Power Plant emissions, in tons per year will change as follows:

- PM<sub>10</sub> will decrease by 100 tons per year (tpy) to 248 tpy
- PM<sub>2.5</sub> will decrease by 20 tpy to 248 tpy
- NO<sub>x</sub> will decrease by 1,543 tpy to 1,641 tpy
- SO<sub>2</sub> will decrease by 1,961 tpy to 2,577 tpy
- CO will increase by 93 tpy to 328 tpy
- VOC will increase by 19 tpy to 41 tpy